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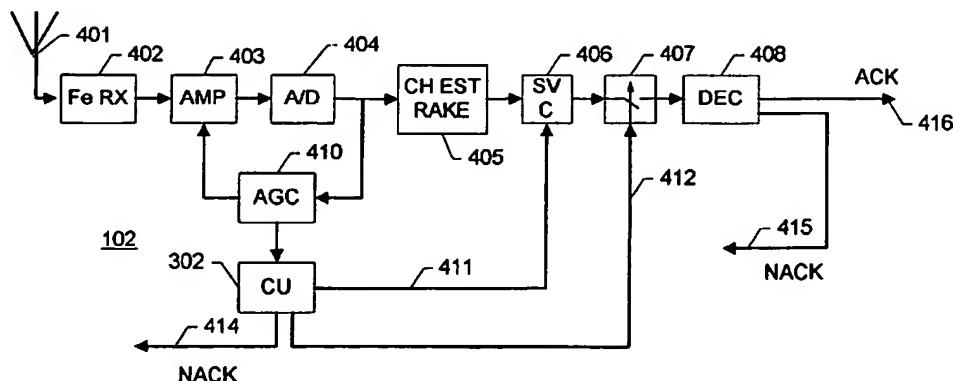
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(54) Title: CALCULATION OF SOFT DECISION VALUES USING RELIABILITY INFORMATION OF THE AMPLITUDE



(57) Abstract: A method of decoding a communications signal in a digital communications system, where the communications signal is modulated according to a modulation scheme, such as 16-QAM, including amplitude information. The method comprises the steps of generating (406) a likelihood value for a received communications signal; decoding (408) the communications signal based on at least the generated likelihood value. The method further comprises providing (302) a reliability indication of the amplitude information conveyed by the received communications signal; and generating the likelihood value on the basis of the provided reliability indication of the amplitude information.

WO 2004/049661 A1